3T Tech Talk

Dave Paterson and Dustin Evans

January 2014

Product Bulletin: Discontinued Dual Fuel Ratings

eTPB1502
January 7, 2015

Discontinued Split System Dual Fuel Ratings

We have been reviewing all of our AHRI listed dual fuel heat pump and coil combinations (Active and Discontinued). After an extensive review, Engineering has recommended the removal of certain split system dual fuel combinations currently listed in the AHRI directory to ensure optimal operation in both heating and cooling.

Effective Immediately

Below is the list of Dual Fuel Heat Pump and Coil combinations that have been removed from the AHRI directory. A larger coil will be required in most cases for dual fuel applications to eliminate a refrigerant charge issue. Please remind your dealers to only install system combinations that are listed in the AHRI directory.

Please share this information with your dealers immediately.

What's Next?

Updates will be published via The Trane Connection.

Unacceptable 4PXC/4PXA Coil Combinations	
Heat Pump	**Coil**
4TWR3024D1	4PXC/4PXAAD24AC3 4PXC/4PXABD24AC3
4TWR4036D1	4PXC/4PXABU30AC3
4TWR4048D1	4PXC/4PXACD36AC3
4TWR5049E1	4PXC/4PXACD60AC3 4PXC/4PXADD60AC3
4TWR5061E1	4PXC/4PXADU60AC3
4TWX5024B1	4PXC/4PXAAU24AC3 4PXC/4PXABU24AC3 4PXC/4PXACD30AC3
4TWX5030B1	4PXC/4PXABU30AC3 4PXC/4PXACU30AC3
4TWX5061G1	4PXC/4PXADU48AC3

Unacceptable 4TXC/4TXA Coil Combinations	
Heat Pump	**Coil**
4TWR4036D1	4TXC/4TXAB031BC3
4TWR4048D1	4TXC/4TXAB042BC3 4TXC/4TXAC043BC3
4TWX5018B1	4TXC/4TXAA018BC3 4TXC/4TXAA024BC3
4TWX5024B1	4TXC/4TXAA018BC3 4TXC/4TXAA024BC3
4TWX5030B1	4TXC/4TXAA024BC3 4TXC/4TXAB025BC3 4TXC/4TXAB031BC3

Product Manager

Tim Storm
Tim.Storm@irco.com
903-730-4505

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Unacceptable 4PXC/4PXA Coil Combinations	
Heat Pump	**Coil**
4TWR3024D1	4PXC/4PXAAD24AC3 4PXC/4PXABD24AC3
4TWR4036D1	4PXC/4PXABU30AC3
4TWR4048D1	4PXC/4PXACD36AC3
4TWR5049E1	4PXC/4PXACD60AC3 4PXC/4PXADD60AC3
4TWR5061E1	4PXC/4PXADU60AC3
4TWX5024B1	4PXC/4PXAAU24AC3 4PXC/4PXABU24AC3 4PXC/4PXACD30AC3
4TWX5030B1	4PXC/4PXABU30AC3 4PXC/4PXACU30AC3
4TWX5061G1	4PXC/4PXADU48AC3

Unacceptable 4TXC/4TXA Coil Combinations	
Heat Pump	**Coil**
4TWR4036D1	4TXC/4TXAB031BC3
4TWR4048D1	4TXC/4TXAB042BC3 4TXC/4TXAC043BC3
4TWX5018B1	4TXC/4TXAA018BC3 4TXC/4TXAA024BC3
4TWX5024B1	4TXC/4TXAA018BC3 4TXC/4TXAA024BC3
4TWX5030B1	4TXC/4TXAA024BC3 4TXC/4TXAB025BC3 4TXC/4TXAB031BC3

Product Bulletin: Evaporator Coil Discontinuation Notice

eTPB1504
January 8, 2015

Evaporator Coil Discontinuation Notice

IMPORTANT DATES

Last Order Date:
February 6, 2015

What's Next?

Updates will be published via The Trane Connection.

In order to reduce the complexity of our Trane Evaporator Coil Portfolio, we are actively reviewing and considering opportunities to reduce and simplify our coil offering.

As a result, we have identified the following list of Coils to discontinue:

Model Family	Description	Discontinued Model #	Model # Substitution	Total SKU's	Last Order Date
4CXC Standard Efficiency	Cased Upflow Only Coils Cooling Only	4CXCA018DC3CAA 4CXCA024DC3CAA 4CXCB025DC3CAA 4CXCB031DC3CAA 4CXCB032DC3CAA 4CXCB036DC3CAA 4CXCB042CC3CUB 4CXCC037CC3CUB 4CXCC043CC3CUB 4CXCC049CC3CUB 4CXCD061CC3CUB	4PXCAU18AC3HAA 4PXCAU24AC3HAA 4PXCBU24AC3HAA 4PXCBU30AC3HAA 4PXCBU30AC3HAA 4PXCBU36AC3HAA 4PXCBU42AC3HAA 4PXCCU36AC3HAA 4PXCCU42AC3HAA 4PXCCU48AC3HAA 4PXCDU60AC3HAA	11	2/6/15
4NXA Standard Efficiency	Uncased Upflow / Downflow Coils Cooling & Heating	4NXAA018AC3HUA 4NXAA024AC3HUA 4NXAB025AC3HUA 4NXAB031AC3HUA 4NXAB032AC3HUA 4NXAB036AC3HUA	4TXAA024BC3HUB 4TXAA024BC3HUB 4TXAA024BC3HUB 4TXAB031BC3HUB 4TXAB036BC3HUB 4TXAB036BC3HUB	6	2/6/15
4NXC Standard Efficiency	Cased Multi-Position Coils Cooling & Heating	4NXCA018AC3HCA	4NXCA024AC3HCA	1	2/6/15
4TXA Standard Efficiency	Uncased Upflow / Downflow Coils Cooling & Heating	4TXAA018BC3HUB 4TXAB025BC3HUB 4TXAB032BC3HUB 4TXAB042BC3HUB	4TXAA024BC3HUB 4TXAA024BC3HUB 4TXAB036BC3HUB 4TXAB036BC3HUB	4	2/6/15
TOTAL				22	

Please note the last order date for these Evaporator Coils will be February 6, 2015.

After this date, these coils will no longer be manufactured or offered as part of our Evaporator Coil Portfolio. The ratings associated with these Coils will be "Discontinued" in AHRI and remain in the directory for up to one year.

We will be offering a sales promotion to help us deplete our existing inventory. Details will follow shortly regarding the specifics of this promotion.

Going forward we will continue to review and look for other Evaporator Coil SKU rationalization opportunities without affecting critical ratings combination, utility drivers, etc.

Our long term goal is reduce the number of coil SKU's in order to simplify our offering, reduce complexity and make it easier to do business with us.

Product Manager:

David Garris
david.garris@irco.com
903-730-4504

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Model Family	Description	Discontinued Model #	Model # Substitution	Total SKU's	Last Order Date
4CXC Standard Efficiency	Cased Upflow Only Coils Cooling Only	4CXCA018DC3CAA 4CXCA024DC3CAA 4CXCB025DC3CAA 4CXCB031DC3CAA 4CXCB032DC3CAA 4CXCB036DC3CAA 4CXCB042CC3CUB 4CXCC037CC3CUB 4CXCC043CC3CUB 4CXCC049CC3CUB 4CXCD061CC3CUB	4PXCAU18AC3HAA 4PXCAU24AC3HAA 4PXCBU24AC3HAA 4PXCBU30AC3HAA 4PXCBU30AC3HAA 4PXCBU36AC3HAA 4PXCBU42AC3HAA 4PXCCU36AC3HAA 4PXCCU42AC3HAA 4PXCCU48AC3HAA 4PXCDU60AC3HAA	11	2/6/15
4NXA Standard Efficiency	Uncased Upflow / Downflow Coils Cooling & Heating	4NXAA018AC3HUA 4NXAA024AC3HUA 4NXAB025AC3HUA 4NXAB031AC3HUA 4NXAB032AC3HUA 4NXAB036AC3HUA	4TXAA024BC3HUB 4TXAA024BC3HUB 4TXAA024BC3HUB 4TXAB031BC3HUB 4TXAB036BC3HUB 4TXAB036BC3HUB	6	2/6/15
4NXC Standard Efficiency	Cased Multi-Position Coils Cooling & Heating	4NXCA018AC3HCA	4NXCA024AC3HCA	1	2/6/15
4TXA Standard Efficiency	Uncased Upflow / Downflow Coils Cooling & Heating	4TXAA018BC3HUB 4TXAB025BC3HUB 4TXAB032BC3HUB 4TXAB042BC3HUB	4TXAA024BC3HUB 4TXAA024BC3HUB 4TXAB036BC3HUB 4TXAB036BC3HUB	4	2/6/15
TOTAL				**22**	

Product Bulletin: Nexia Certified Z-Wave Siren & Strobe

eTPB1447
December 29, 2014

Introducing the Nexia-Certified Z-Wave Siren and Strobe from Linear®

Nexia™ Home Intelligence is pleased to announce the certified Z-Wave Siren and Strobe from Linear. The device is a Z-Wave enabled combination Sounder/Strobe warning device, designed to alert intruders of a security system presence. Once paired with Nexia Home Intelligence, the sounder can be turned on and off remotely via the Nexia app. When on, the sounder emits a very loud 105 dB alert tone and the integrated strobe flashes brightly. The product is designed to be wall-mounted, comes with a UL-approved AC plug-in power supply and offers an integrated battery backup in case of AC power interruption.

IMPORTANT DATES

First Order Date

Immediately

First Ship Date

Immediately

What's Next?

Updates will be published via the Trane Connection.

Features of the Linear Z-Wave Siren and Strobe:

- Sounder/Strobe to warn intruders of a security presence
- Volume of 105DB at 1 meter
- 360 Lumen, 4 LED Strobe light
- Battery Backup
- Configurable for Siren only, Strobe only, or Siren and Strobe
- For non-life safety applications
- Compatible with any certified Z-Wave based system such as Nexia Home Intelligence

Model #: 093863125058

Consumer Website:
http://www.nexiahome.com/compatible-products/linear-z-wave-siren-strobe/

What is a "Nexia-Certified" Product?
Nexia Certified Products have been presented to the Nexia Home Intelligence Team and have passed rigorous testing for advanced integration. This certification ensures a smooth user experience. Nexiahome.com will soon begin featuring the certified products alongside the Nexia compatible products, which offer basic functionality.

NEXIA HOME INTELLIGENCE

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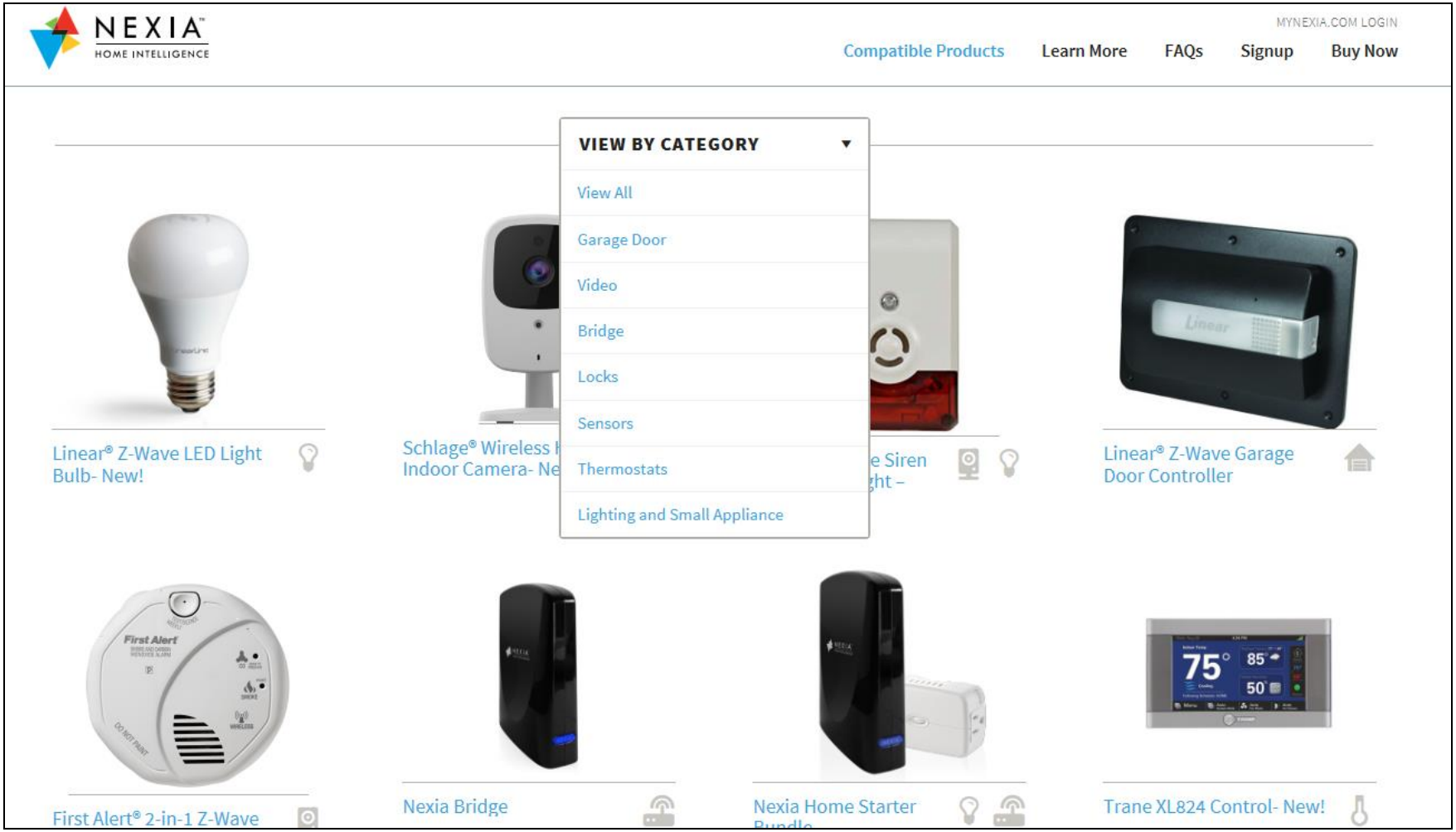

http://www.nexiahome.com/compatible-products/

FortrezZ Wireless Water & Temperature Sensor

FortrezZ Wireless Z-Wave Water Valve

Schlage Home Motion Sensor

Schlage Home Door and Window Sensor

GE Z-Wave Technology Duplex Receptacle

GE Z-Wave Technology Outdoor Module for Lighting Control, Black

GE Z-Wave Wireless Lighting Control 3-Way Switch Kit

GE Z-Wave Wireless Lighting Control In-Wall Dimmer

http://www.nexiahome.com/compatible-products/

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HEATING & AIR CONDITIONING

General Service Bulletin

MJ-X Oil Additive to Address High Superheat and Low Suction Pressure for TXVs Only (Patent Pending)

Models	Serial
See Page 7 for complete model list	13401***F to 14445****F

Bulletin: UN-SVB020C-EN Date: December 12, 2014

Supersedes UN-SVB020B-EN

Addition of Oil Additive CHM01394

13401****F to 14445****F

4TTB3018AA000A
4TTB3018G1S00A
4TTB3018H1000A
4TTB3024AA000A
4TTB3024G1S00A
4TTB3024H1000A
4TTB3030AA000A
4TTB3030G1000A
4TTB3030G1S00A
4TTB3036AA000A
4TTB3036A1000A
4TTB3042D1000C
4TTB3042D1S00A
4TTB3048D1000C
4TTB3060D1000C
4TTB6036A1000A
4TTB6042A1000A
4TTB6048A1000A
4TTB6049A1000A
4TTB6060A1000A
4TTB6061A1000A
4TTB6061B1000A

Addition of Oil Additive CHM01394

13401****F to 14445****F

4TTR3018G1000A
4TTR3024G1000A
4TTR3030G1000A
4TTR3036E1000A
4TTR3042D1000A
4TTR3048D1000A
4TTR3060D1000A
4TTR4018L1000A
4TTR4024L1000A
4TTR4030L1000A
4TTR4036L1000A
4TTR4042L1000A
4TTR6036B1000A
4TTR6042B1000A
4TTR6048B1000A
4TTR6049B1000A
4TTR6060B1000A
4TTR6061B1000A
4TTR6061C1000A
4TTR7024A1000A
4TTR7036A1000A
4TTR7048A1000A
4TTR7060A1000A

Addition of Oil Additive CHM01394

13401****F to 14445****F

4TTM3024B1000A
4TTM3030B1000A
4TTM3042A1000B
4TTM3042A1000C
4TTM3042A1000D
4TTM3048A1000B
4TTM3060A1000B

4TTA3030AD000A
4TTA3036AD000A
4TTA3036B3000A
4TTA3036B3S00A
4TTA3036B4000A
4TTA3042AD000A
4TTA3042D3000C
4TTA3042D3S00A
4TTA3042D4000C
4TTA3048D3000C
4TTA3048D4000C
4TTA3060D3000C
4TTA3060D4000C

4TTX6024G1000B
4TTX6036H1000A
4TTX6042H1000A
4TTX6048H1000A
4TTX6049H1000A
4TTX6060H1000A
4TTX6061H1000A
4TTX8024A1000A
4TTX8036A1000A
4TTX8048A1000A
4TTX8060A1000A

Addition of Oil Additive CHM01394

13401****F to 14445****F

4TWB3024D1000A
4TWB3036C1000A
4TWB3042B1000C
4TWB4042G1000B
4TWB3048B1000C
4TWB3060B1000C
4TWB4049E1000C
4TWB4061E1000C

4TWR3018D1000A
4TWR3024D1000A
4TWR3036C1000A
4TWR3042B1000A
4TWR3048B1000A
4TWR3060B1000A
4TWR4036D1000A
4TWR4042D1000A
4TWR4048D1000A
4TWR4060D1000A
4TWR5042G1000A
4TWR5049E1000B
4TWR5061E1000B
4TWR6024A1000B
4TWR7024A1000B
4TWR7036A1000A
4TWR7036B1000A
4TWR7048A1000A
4TWR7048A1000B
4TWR7060A1000A
4TWR7060A1000B

4TWX5042B1000A
4TWX5049E1000B
4TWX5061G1000A
4TWX6024G1000B
4TWX8024A1000A
4TWX8036A1000A
4TWX8036C1000A
4TWX8048A1000A
4TWX8060A1000A

4TWA3036B3000A
4TWA3036B4000A
4TWA3042B3000A
4TWA3042B4000A
4TWA3048B3000B
4TWA3048B4000B
4TWA3060B3000A

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HEATING & AIR CONDITIONING

General Service Bulletin

Geothermal Products - TXV Sticking: MJ-X Oil Additive to Address High Superheat and Low Suction Pressure for TXV's

Affected Models: Geothermal Products

Serial Range: Units Produced Between 11/1/2013—9/1/2014

Bulletin: WSHP-SVB015A-EN

Date: December 29, 2014

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Allowance Labor:

Upon confirmation of completion of the MJ-X (CHM01005) injection process, dealers will be reimbursed $200.00 per unit that failed and was corrected by adding the MJ-X to the refrigerant system. To claim reimbursement, call the Geothermal Source Provider Technical Services.

Expiration Date:

This bulletin will expire on September 30, 2015

Questions:

Geothermal Source Provider Technical Service phone number:

Trane (877) 214-7048

American Standard (877) 214-6729

Distributor personnel Contact your local Field Service Representative.

FSRs should contact Geothermal Source Provider Technical Service

Fax: (888) 515-9523 Phone: (877) 208-1303 Email: warranty@transsourcedwshp.com

Express Warranty Claim Form

ALL CLAIMS MUST BE FILED WITHIN 30 DAYS OF FAILURE DATE!

Hold all warranty parts 60 days before disposal.

Unit Serial #: _____ Unit Model #: _____

Failure Date: _____ Order Date: _____

Company Account #: 12557 Dealer Name: _____

Phone #: _____ Fax #: _____

Ship to if different: _____

PO# / Job Name: _____ Technician's Name: _____

Training ID # _____

Part to be replaced: _____ Part #: _____

Other parts needed for repair: _____ Sales Order/Invoice # for accessories or parts not purchased with the unit: _____

Do You Need the Parts Ordered? YES NO

Check failure reason below.

Compressor
- ☐ Will not Pump
- ☐ Blown/Burnt Termin
- ☐ Grounded
- ☐ Locked Rotor
- ☐ Noisy/Vibration
- ☐ Open Windings

Pumps
- ☐ Grounded
- ☐ Open Windings
- ☐ Locked Rotor
- ☐ Motor Runs Will not
- ☐ Water Leak/Stress
- ☐ Noisy/Vibration

GeoStart
- ☐ Blown/Burnt Terminals
- ☐ Nuisance Trips
- ☐ Fails to Operate

Brazed Plate/Coaxial Exchanger
- ☐ Internal Break Loop to Ref.
- ☐ External Break to ATM
- ☐ Plugged

Air Coil
- ☐ Blocked feeder tube
- ☐ Leak Other
- ☐ Leak in fin pack

Reversing Valve (Coil)
- ☐ Open Windings
- ☐ Leak due to Stress C
- ☐ Sticks

Control Board
- ☐ Burnt Terminals/Component
- ☐ Fan Speed Operation
- ☐ Bad Outputs (Describe)
- ☐ Bad Inputs (Describe)

TXV
- ☐ Excessive Hunting
- ☐ Leak due to stress crack
- ☐ Not Regulating
- ☐ Stuck Closed
- ☐ Stuck Open

Thermostat
- ☐ Blown/Burnt Termina
- ☐ Failed to Start
- ☐ Out of Calibration
- ☐ Poor Display
- ☐ Not Regulating

Blower/Motor/Module
- ☐ Burnt/Blown Termina
- ☐ Fan Speed Operatio
- ☐ Grounded
- ☐ Out of Balance
- ☐ Open Windings

Electrical
- ☐ Thermistor Open/Shorted
- ☐ Wire Harness Shorted
- ☐ Capacitor Open/Shorted
- ☐ Contactor Contact Points
- ☐ Transformer Failure

Zone Control/Dampers
- ☐ No Outputs
- ☐ Fan Speed Operation
- ☐ No Outputs to Damper Motors
- ☐ Damper/Motor Not Operating
- ☐ Sticks (Overheats/Over Cools)

Describe Failure:

Installation Information

Owner's Name _____ Address: _____

Start-up Date _____ Customers Phone # _____

Check if DOA ☐

TRANE
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HEATING & AIR CONDITIONING

General Service Bulletin

Gas Valve Adjustment Policy

Affected Models Numbers
All Gas Fired Residential Furnaces

Affected Serial Numbers
All Serial Numbers

Bulletin: FURN-SVB054A-EN

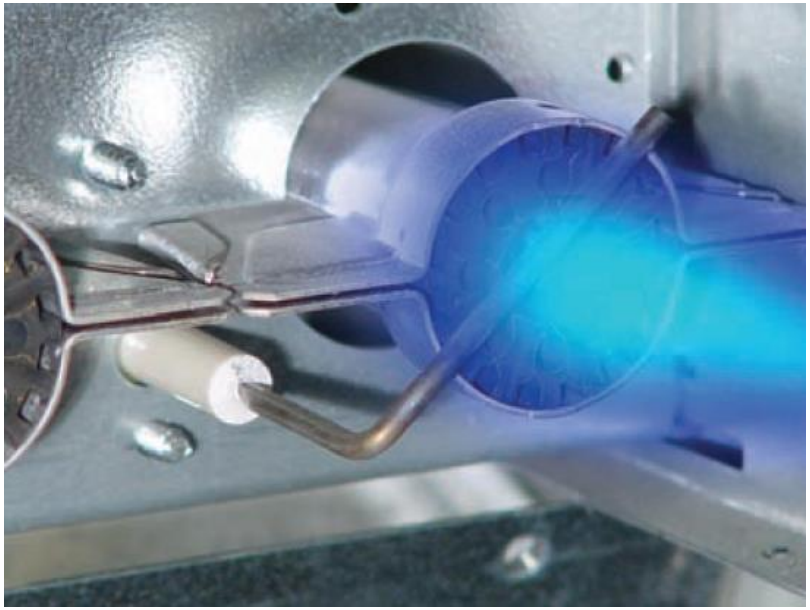
Date: December 12, 2014

FURN-SVB054A-EN

Field reports indicate gas pressure adjustments are being made to furnace gas valves, in an effort to improve efficiency.

This bulletin is to address the manufacture’s required methods of setting firing rates and gas pressure for gas furnaces.

This is not to address a safety concern.



FURN-SVB054A-EN

It is not possible to increase efficiency by increasing the firing rate of our furnaces.

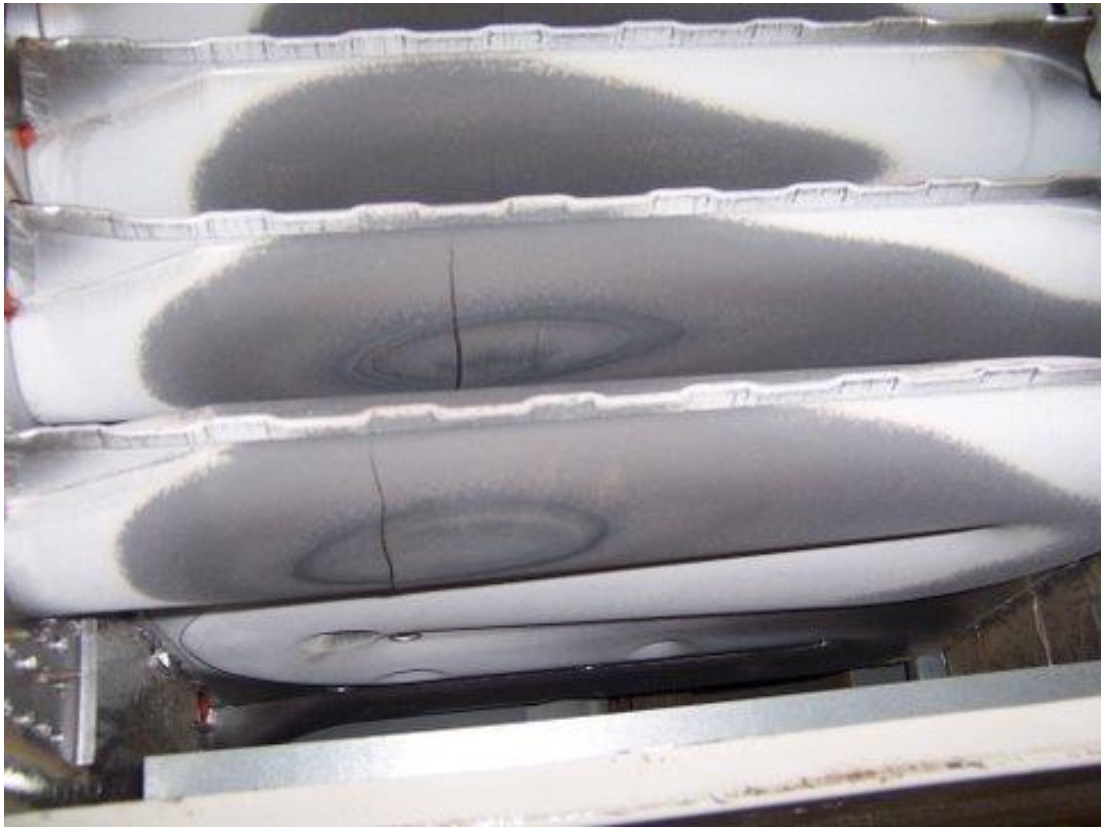
Operation at higher gas inputs than stated on the rating nameplate can shorten heat exchanger life, cause safety switches to open and shut down the furnace.

FINAL MANIFOLD PRESSURE SETTINGS (inches w.c.)		
FUEL	**2nd Stage Max.**	**1st Stage Max.**
NATURAL GAS	3.5" W.C.	1.7" W.C.
LP GAS	10.5" W.C.	6.0" W.C.

FURN-SVB054A-EN

Any proposed methods of combustion analysis that promotes altering the firing rate to obtain a specific CO2 or Oxygen concentration levels should not be used.

Altering the firing rate is not supported by this manufacturer and may result in efficiency loss, with higher fuel consumption, reduced heat exchanger life, and additional service calls for “no heat”.



16 SEER Heat Pumps

XL16i

4TWX6024H1000A
4TWX6036H1000A
4TWX6042H1000A
4TWX6048H1000A
4TWX6060H1000A

XR16

4TWR6024H1000A
4TWR6036H1000A
4TWR6042H1000A
4TWR6048H1000A
4TWR6060H1000A

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2015 Heat Pump Portfolio

TRANE

XV

Highest Corrosion Resistance
12 year warranty
As low as 55db
Climatuff Variable Speed Compressor-Black
WeatherGuard Features
All Aluminum Spine Fin

XV18

XV20i

XL

Highest Corrosion Resistance
12 year warranty
As low as 69db
Climatuff Compressor -Black
WeatherGuard Features
All Aluminum Spine Fin

XL16i

XL18i

XR

High Corrosion Resistance
10 year warranty
76db Max
Climatuff Compressor - Black
Aluminum Spine Fin

XR14

XR15

XR16

XR17

2/4TWB3
4TWA3

13 SEER 14 SEER
R22 *R410*

Limited quantities of R22/R410
13 SEER in 2015 .

Ameristar HEATING & COOLING

Value

Price

Compressor Matrix

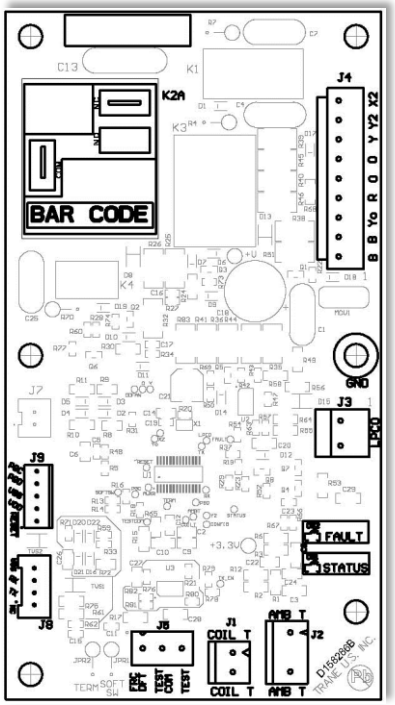
PART NUMBER	MODEL NUMBER	RLA	LRA	RECOMMENDED CAPACITOR	SHELL HEIGHT	SHELL DIAMETER	C-S RESISTANCE	C-R RESISTANCE	OIL CAPACITY
COM11524	SBA020C1CPA	10.9	63	35MFD	15.0	5.5" BAYCCHT302	1.64	1.3	21oz OIL00094
COM11525	SBA024C1CPA	12.8	68.0	40MFD	15.0	5.5" BAYCCHT302	1.78	1.18	25oz OIL00094
COM11526	SBA029C1CPA	14.1	72	45MFD	15.0	5.5" BAYCCHT302	1.60	0.92	25oz OIL00094
COM11527	SBA034B1CPA	16.7	109	45MFD	16.5"	6.5" BAYCCHT301	1.56	0.58	42oz OIL00094
COM11528	SBA040B1CPA	18.5	124	45MFD	16.5"	6.5" BAYCCHT301	1.48	0.56	42oz OIL00094
COM11497	SBA049B1CPA	23.7	152.5	70MFD	16.5"	6.5" BAYCCHT301	0.76	0.41	42oz OIL00094

Shell Diameter
C = 5.5”
B = 6.5”

What's New

- Defrost Control December 3T

CNT07255
PSC Fan; 2-3 ton



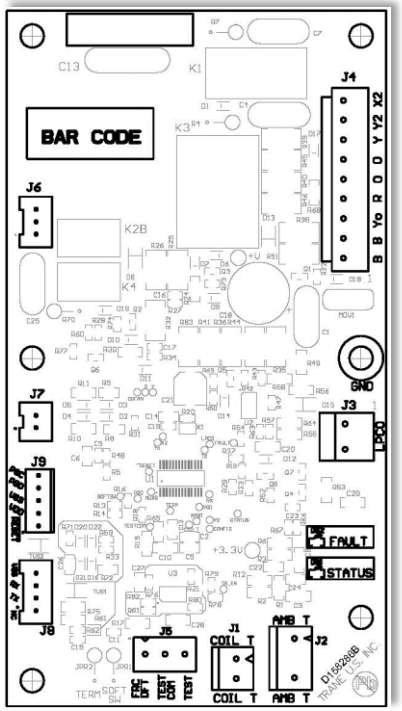
Demand Defrost Quick Specs

COMPRESSOR		SCROLL	SCROLL
MNEMONIC NO.	CNT	07255	07256
GROUP NOMENCLATURE *		G01	G02
SUPERSEDURE	CNT	NA	NA
OD FAN TYPE – PSC/ECM		PSC	ECM
		1-SPD	1-SPD
DEFROST ENABLED: Y = ON OUTDOOR TEMPERATURE =		≤52^{0}F	≤52^{0}F
DEFROST PERMIT: Y = ON TEMPERATURE =	COIL	≤32^{0}F	≤32^{0}F
MIN DEFROST TIME (MINUTES)		1	1
TARGET DEFROST TIME (MINUTES)		4	4
MAX TIME OVERRIDE (MINUTES)		15	15
DEFROST TERMINATE COIL TEMPERATURE (Factory Setting)		47°F	47°F
DEFROST HI TERMINATE COIL TEMPERATURE (Cut Jumper 2)		70° F	70°F
SOV SWITCH-OVER DELAY DEFROST TERM. (SECONDS)	AFTER	12	12
DEFEAT SWITCH-OVER DELAY (SECONDS) (Cut Jumper 1)		0	0
LOW AMBIENT HEAT PUMP LOCK OUT		-7° F	-7° F
LOW AMBIENT HEAT PUMP RESUME		3° F	3° F
LPCO INPUT TO CONTROL		YES	YES
LPCO BYPASS IN/OUT DEFROST (MINUTES)		1	1

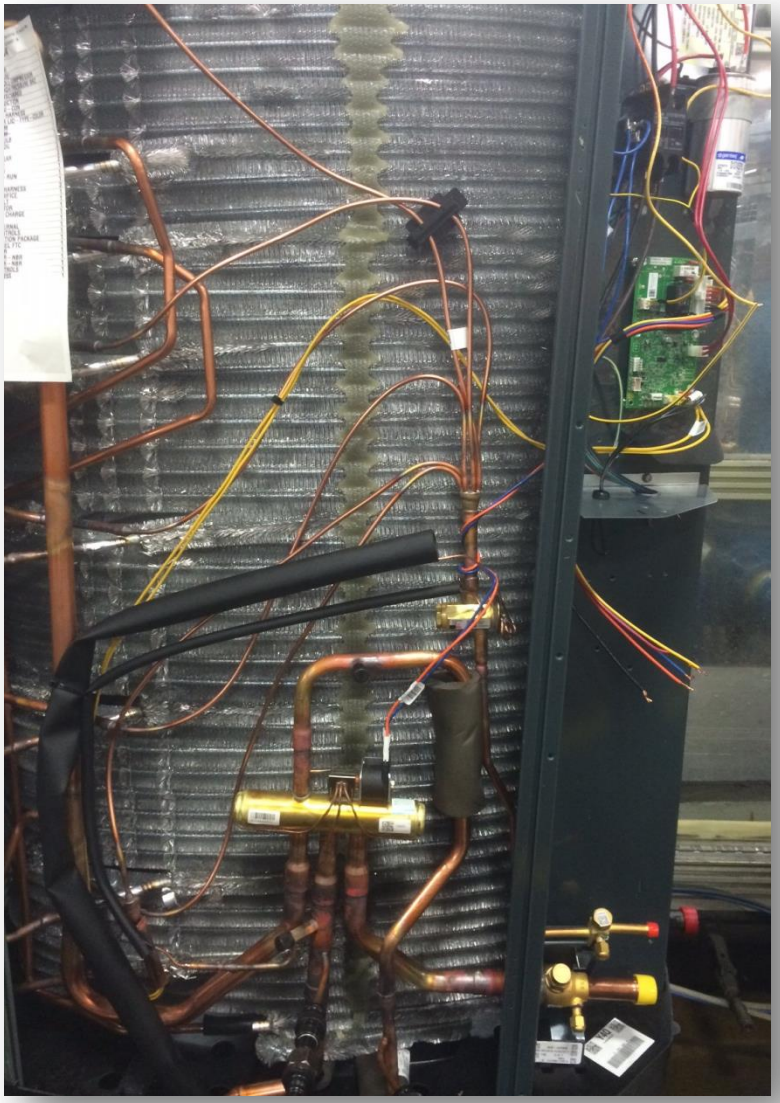
* GROUP suffix for drawing number D158283

≤ (EQUAL OR LESS THAN)

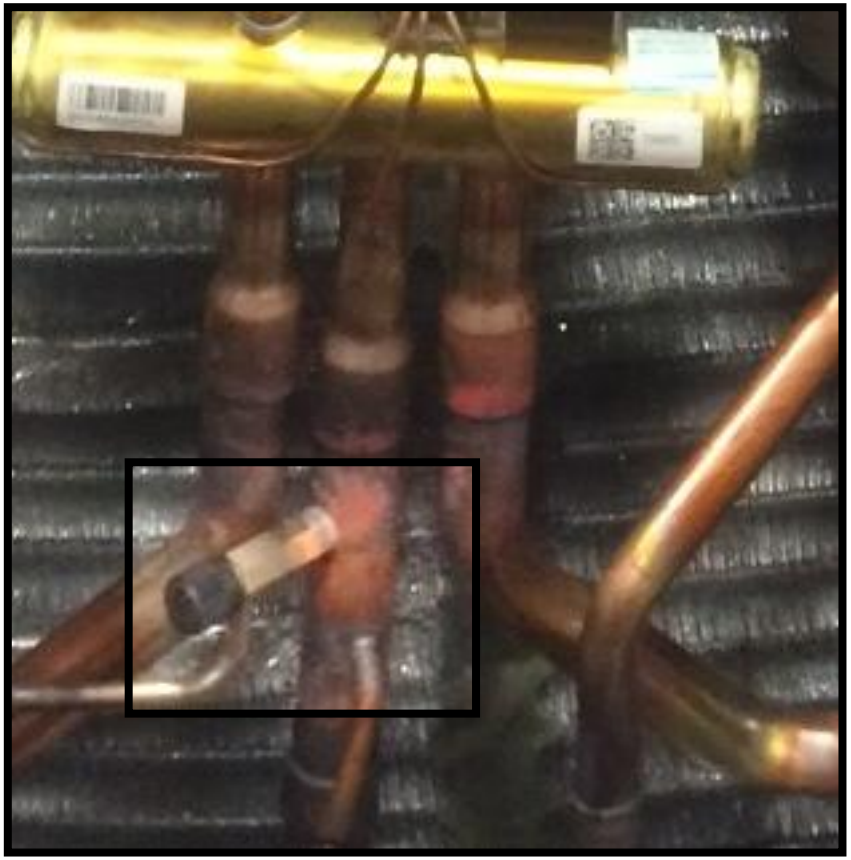
CNT07256
ECM Fan; 3.5-5 ton

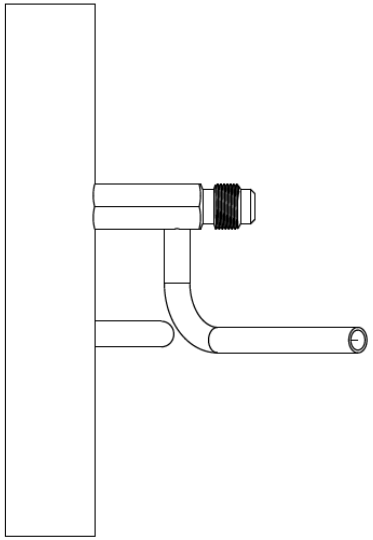


Service Side & Control Box



Service Port





Product Specifications

SPECIFICATIONS	4TWX6024H1, 4TWR6024H1 4A6H6024H1
Refrigerant Charge	7lb, 5oz
Design Subcooling	10
MCA	14
MOP	25
dB(A)	71
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Accumulator	NO
Sump Heat	NO
Gas Line Service Valve	3/4”

Open/Close 35/55

Product Specifications

SPECIFICATIONS	4TWX6030H1, 4TWR6030H1 4A6H6030H1
Refrigerant Charge	8lb
Design Subcooling	8
MCA	17
MOP	25
dB(A)	70
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Accumulator	NO
Sump Heat	NO
Gas Line Service Valve	3/4”

Open/Close 35/55

Product Specifications

SPECIFICATIONS	4TWX6036H1, 4TWR6036H1 4A6H6036H1
Refrigerant Charge	8lb, 14oz
Design Subcooling	10
MCA	18
MOP	30
dB(A)	70
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Accumulator	NO
Sump Heat	NO
Gas Line Service Valve	3/4”

Open/Close 35/55

Product Specifications

SPECIFICATIONS	4TWX6042H1, 4TWR6042H1 4A6H6042H1
Refrigerant Charge	10lb, 5oz
Design Subcooling	8
MCA	24
MOP	40
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Accumulator	NO
Sump Heat	NO
Gas Line Service Valve	7/8”

Open/Close 35/55

Product Specifications

SPECIFICATIONS	4TWX6048H1, 4TWR6048H1 4A6H6048H1
Refrigerant Charge	10lb, 9oz
Design Subcooling	8
MCA	26
MOP	40
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Accumulator	NO
Sump Heat	NO
Gas Line Service Valve	7/8”

Open/Close 35/55

Product Specifications

SPECIFICATIONS	4TWX6060H1, 4TWR6060H1 4A6H6060H1
Refrigerant Charge	10lb, 9oz
Design Subcooling	8
MCA	32
MOP	50
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Accumulator	NO
Sump Heat	NO
Gas Line Service Valve	7/8”

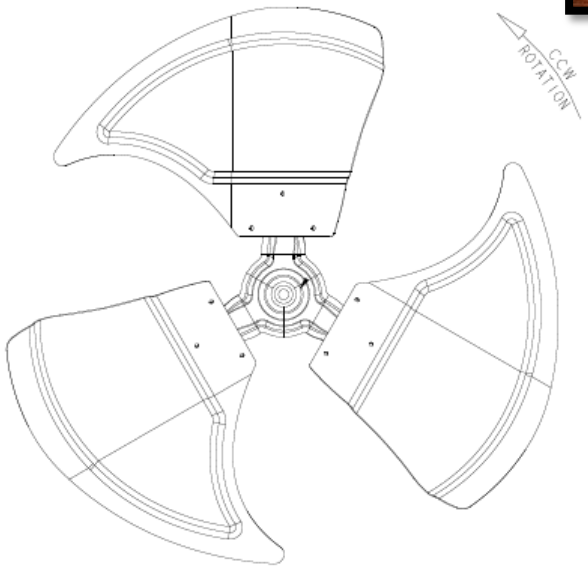
Open/Close 35/55

Mix-Match Charge Levels

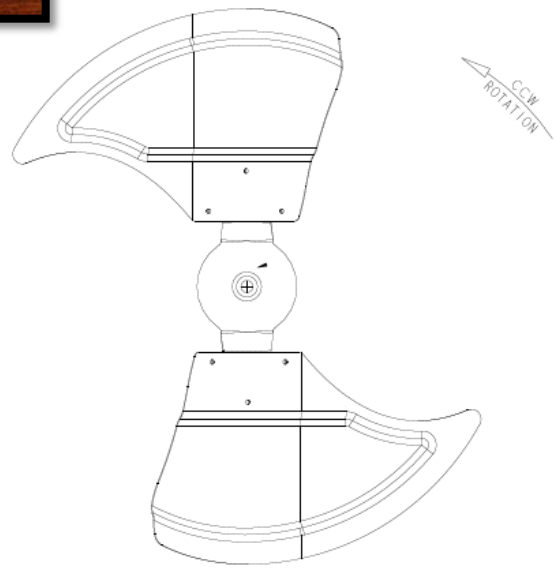
System Matched with:	Indoor Unit Model No.	Outdoor Unit Model	Subcooling
16 SEER Heat Pump (2 ton)	TEM6A0C36H31	4TWX6024H1000A 4TWR6024H1000A 4A6H6024H1000A	13˚
15 SEER Heat Pump (2 ton)	TEM6A0B24H21 TEM6A0B30H21	4TWR5024G1000A 4A6H5024G1000A	14˚
15 SEER Heat Pump (3 ton)	TEM6A0B30H21 TEM6A0C36H31 TEM6A0C42H41	4TWR5036G1000A 4A6H5036G1000A	14˚
All other matches must be charged per the nameplate charging instructions			

Swept Fan Blades

- Notched hub



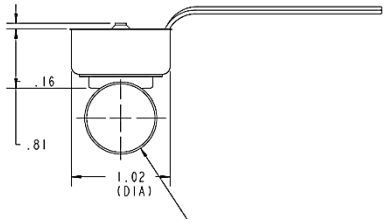
5 ton models

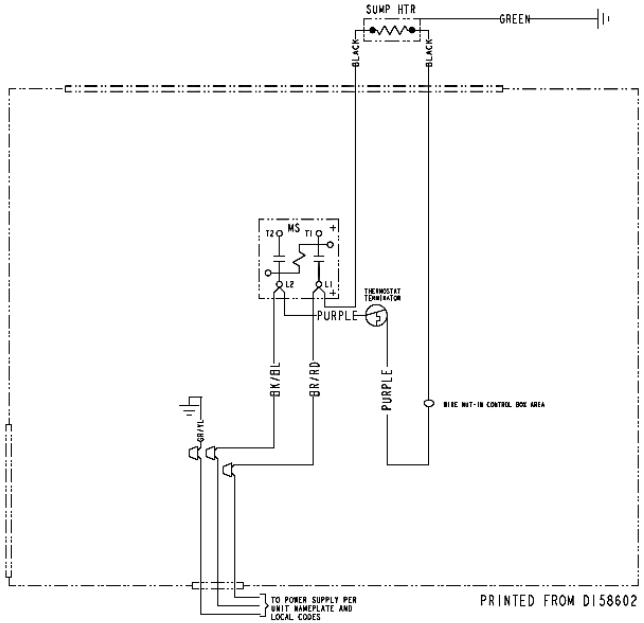


2- 4 ton models

Coming Soon…..

- Optional **Sump Heater** - BAYCCHT302**RES**
  - For 5.5” shell diameter
- Optional **Sump Heater** - BAYCCHT301 **RES**
  - For 6.5” shell diameter



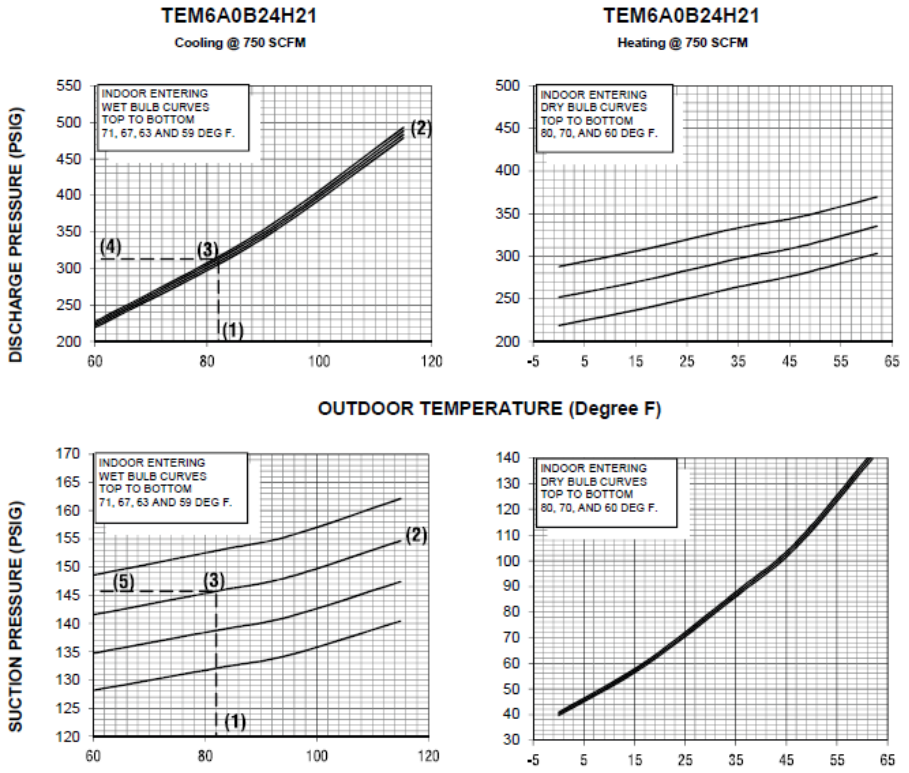


These kits will include a TDL, updated Wiring Diagram and Installation Guide:
18-HE47D1-2 (Well/Cartridge)
18-HE48D1-3 (Belly Band)

Service Facts

- All Tested/Rated combinations are with TEM6
- Heating airflow is higher than cooling airflow
- No Time Delay Relay is needed with TEM6 (cooling off-delay is 1.5 minutes by default)

PRESSURE CURVES FOR 4TWX6024H1 & 4TWR6024H1 & 4A6H6024H1



14 SEER Air Conditioners

XR14

4TTR4018L1000A
4TTR4024L1000A
4TTR4036L1000A
4TTR4042L1000A
4TTR4048L1000A
4TTR4060L1000A

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10/7/2014

Compressor Matrix

These are all new, 6th generation scroll compressors

PART NUMBER	MODEL NUMBER	RLA	LRA	RECOMMENDED CAPACITOR	SHELL HEIGHT	SHELL DIAMETER	C-S RESISTANCE	C-R RESISTANCE	OIL CAPACITY
COM11535	SBA014C1CPA	9.0	63	35MFD	15.0	5.5" BAYCCHT302	1.64	1.3	21oz OIL00094
COM11524	SBA020C1CPA	10.9	63	35MFD	15.0	5.5" BAYCCHT302	1.64	1.3	21oz OIL00094
COM11525	SBA024C1CPA	12.8	68.0	40MFD	15.0	5.5" BAYCCHT302	1.78	1.18	25oz OIL00094
COM11526	SBA029C1CPA	14.1	72	45MFD	15.0	5.5" BAYCCHT302	1.60	0.92	25oz OIL00094
COM11527	SBA034B1CPA	16.7	109	45MFD	16.5"	6.5" BAYCCHT301	1.56	0.58	42oz OIL00094
COM11528	SBA040B1CPA	18.5	124	45MFD	16.5"	6.5" BAYCCHT301	1.48	0.56	42oz OIL00094
COM11497	SBA049B1CPA	23.7	152.5	70MFD	16.5"	6.5" BAYCCHT301	0.76	0.41	42oz OIL00094

Product Specifications

SPECIFICATIONS	4TTR4018L1 4A7A4018L1
Refrigerant Charge	4lb, 8oz
Design Subcooling	10
MCA	12
MOP	20
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	NO

Service Valves
3/4” & 3/8”

Open/Close
50/70

BAYCCHT302A

Product Specifications

SPECIFICATIONS	4TTR4024L1 4A7A4024L1
Refrigerant Charge	4lb, 11oz
Design Subcooling	10
MCA	14
MOP	25
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	NO

Service Valves
3/4" & 3/8"

Open/Close
50/70

BAYCCHT302A

Product Specifications

SPECIFICATIONS	4TTR4030L1 4A&A4030L1
Refrigerant Charge	5lb, 4oz
Design Subcooling	10
MCA	17
MOP	25
dB(A)	73
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	NO

Service Valves
3/4” & 3/8”

Open/Close
50/70

BAYCCHT302A

Product Specifications

SPECIFICATIONS	4TTR4036L1 4A7A4036L1
Refrigerant Charge	6lb, 1oz
Design Subcooling	10
MCA	18
MOP	30
dB(A)	73
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	NO

Service Valves
3/4" & 3/8"

Open/Close
50/70

BAYCCHT302A

Product Specifications

SPECIFICATIONS	4TTR4042L1 4A7A4042L1
Refrigerant Charge	6lb, 7oz
Design Subcooling	12
MCA	22
MOP	35
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	NO

Service Valves
7/8” & 3/8”

Open/Close
50/70

BAYCCHT301A

Product Specifications

SPECIFICATIONS	4TTR4048L1 4A7A4048L1
Refrigerant Charge	6lb, 9oz
Design Subcooling	10
MCA	24
MOP	40
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	NO

Service Valves
7/8” & 3/8”

Open/Close
50/70

BAYCCHT301A

Product Specifications

SPECIFICATIONS	4TTR4060L1 4A7A4060L1
Refrigerant Charge	7lb, 10oz
Design Subcooling	10
MCA	31
MOP	50
dB(A)	72
Sound Jacket	NO
Start Kit	NO
LPCO	YES
Sump Heat	YES

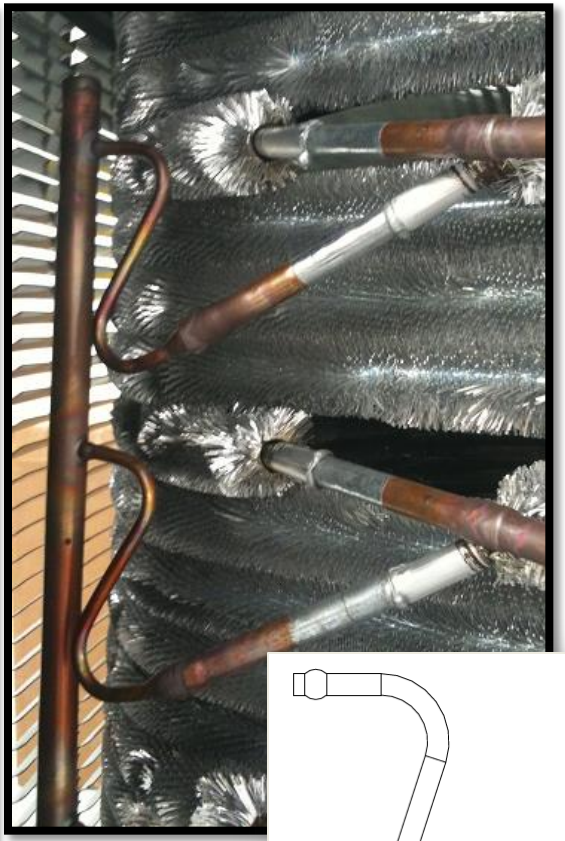
Service Valves
7/8” & 3/8”

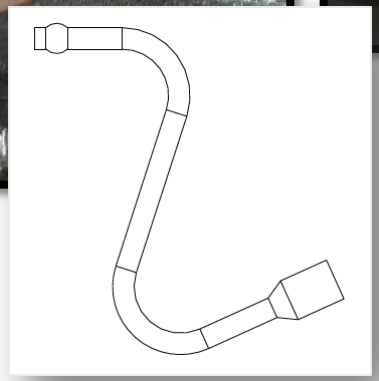
Open/Close
50/70

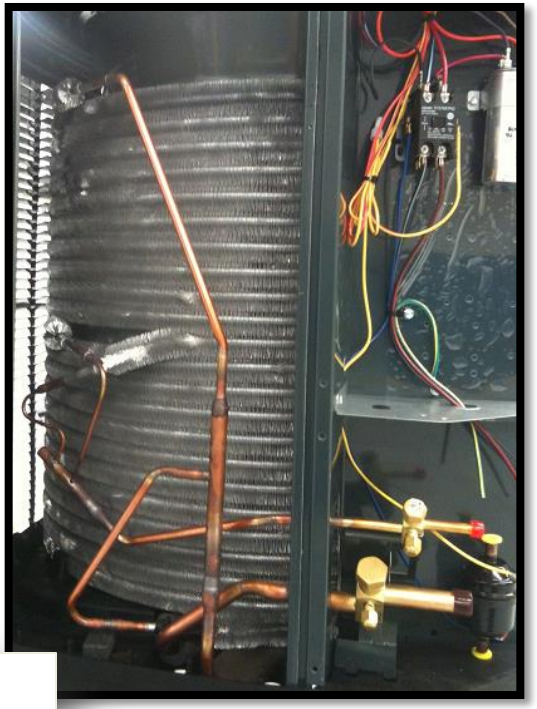
BAYCCHT301A

New Coil Designs

5 ton







2 ton

Items of Interest

New location for ship-with Drier

2-pole on 5-ton

HPCO & LPCO Standard on all models
All compressors are painted black, branded Climatuff™ /Duration™

Notched Fan Blade Hub

Transitioning to notched hub starting with 14 A/C.

- Ensures Fan Motor shaft-flat alignment
- Servicer can break away with twist

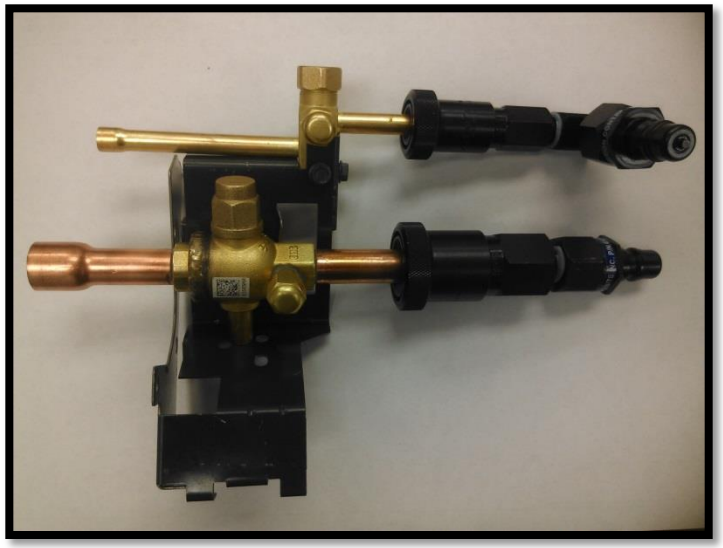
Important Items

- Optional **Start Kit** - BAYKSKT263
  - Info on Schematic Diagram in Service Facts
- Optional **Sump Heater** - BAYCCHT302RES
  - For 5.5” shell diameter
- Optional **Sump Heater** - BAYCCHT301RES
  - For 6.5” shell diameter
- 14 SEER program – Units designed without

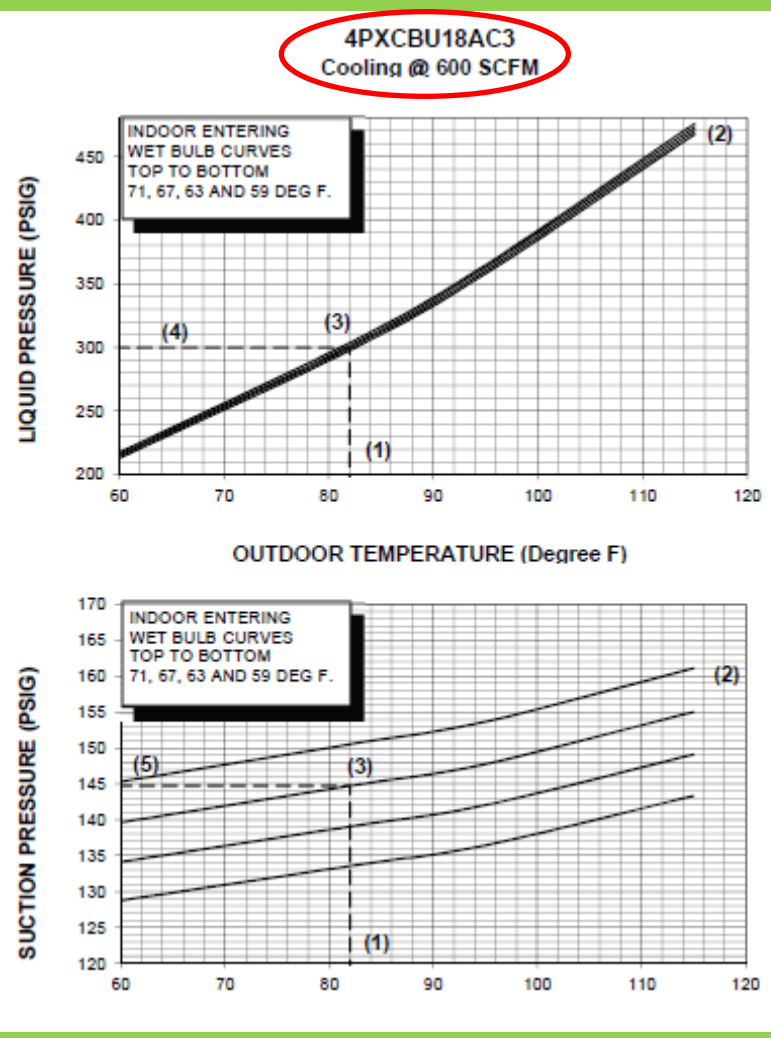
FasTest XT Fittings

- Eliminates Process Tubes and associated leaks

.



Pressure Curves for 4TTR4018L1 / 4A7A4018L1



Rated/Tested Coil Combinations:

- 4PCXBU18AC3 @ 600 SCFM
- 4PXCBU24AC3 @ 800 SCFM
- 4PXCBU30AC3 @ 950 SCFM
- 4PXCBU36AC3 @ 1100 SCFM
- 4PXCCU42AC3 @ 1300 SCFM
- 4PXCCU48AC3 @ 1400 SCFM
- 4PXCDU60AC3 @ 1615 SCFM

XR14/Silver 14 – Air Conditioners

Notes:

First ship date: October 27, 2014

Single Stage Climatuff™ & Duration™ Compressors

All Aluminum Spine Fin™ Coils

Coil only: 14SEER, 12.2 EER

Hi Eff Furnace: 15 SEER, 12.5 EER

Hi Eff Air Handler: 15.5 SEER, 13 EER

XL850 Control Introduction

XL850 Overview

<u>Product Bulletin Update</u>

- **Pricing Available Now**
  - **Single Lot and Case Lot**
- **1st order.. Now!**
- **1st ship December 15th**
- **For Use With**
  - **TruComfort Variable Speed and ComfortLinkII™ communicating systems**
  - **Non-communicating systems (requires BAY24VRP52DB relay panel)**

XL850 Overview

<u>Product Bulletin Update</u>

- **Record the 850's AUID number and associated customer contact information so they may have access to the control's data after homeowner approval when the dealer portal is launched**

- **Read the Installer and User Manual**

XL850 Delivered Value

Key Differentiated Features

- **Exclusive Built In Nexia™ Home Intelligence Z-Wave Bridge**
- **Exclusive, Easy to Set Up Wi-Fi or Ethernet Connectivity**
- **Complete Connectivity**
  - **Nexia™ Home Intelligence Ready**
    - **Remote Climate Control for Homeowner**
    - **Nexia Diagnostic Data for Dealer… 2015**
- **Easy to Install and Configure**
  - **Installation Wizard…**
  - **User Set Up Wizard…**

XL850 Control

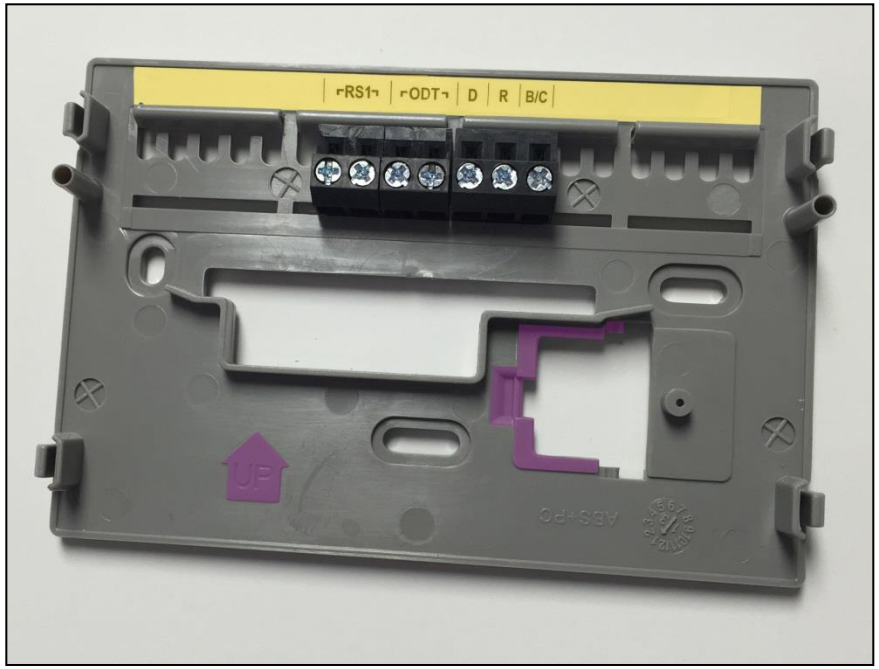
- **Introduction**
  - Communicating version of the 824 control
    - Compatible w/VSPD systems
  - 4.3” High Definition Color Screen
  - Built-in Wi-Fi radio
  - Ethernet option
  - Onboard Humidity Sensor
  - Micro-USB connector
  - Nexia Bridge Built-In

XL850 Control

- 3-wire communicating control
- Supports up to 5 heat/2 cool
- Compatible with all communicating systems and 24-volt systems with the addition of a Relay Panel
- Supports gas/oil, electric and hydronic heat
  - Forced air hydronic only
- Not compatible with Ameristar heat pumps with the 1st release

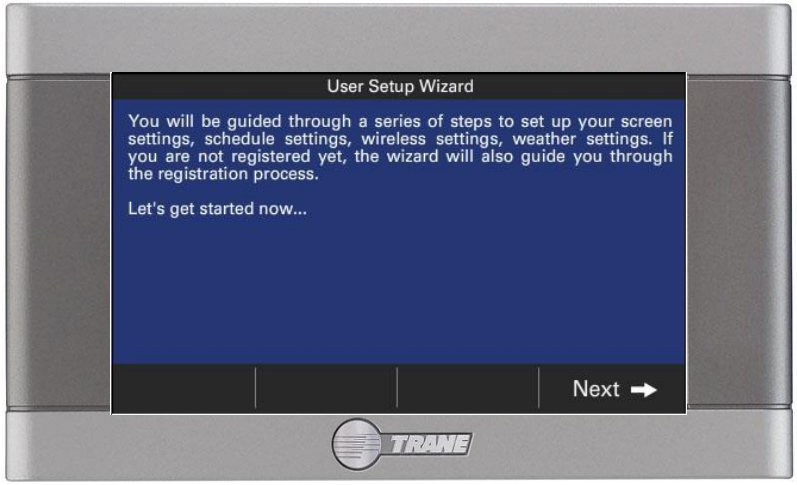
XL850 Control

- **850 sub-base**
  - Temp sensors
    - Remote RS1
    - Outdoor ODT
  - HVAC connections
    - D
    - R
    - B/C
  - RJ45 Ethernet connection



XL850 Control

- **Homeowner Features**
  - Nexia compatible
  - Local Weather feature
  - Software is field upgradable
  - 7-day Programmable or non-programmable options
  - Security Settings
    - Screen Lock
    - Guest Access
  - Setup Wizard for user settings


User Setup Wizard
You will be guided through a series of steps to set up your screen settings, schedule settings, wireless settings, weather settings. If you are not registered yet, the wizard will also guide you through the registration process.
Let's get started now...
Next
TRANE

NEXIA™
HOME INTELLIGENCE

XL850 Control

- **Displayed Indoor Temperature**
  - On initial startup or after an extended power loss, the indoor temperature sensor of the control may require up to 60 minutes to stabilize
  - During this stabilization period the control may display an indoor temperature well below the actual indoor temperature
  - An insert will be included with each 824 control informing the installer that this behavior is expected and to not calibrate the indoor temperature during the first 60 minutes after installation
  - The insert also provides information about the new Smart Optimization learning routine

The sensors inside this device require up to 60 minutes to stabilize after a cold startup.
During this time you may see lower than expected temperature values or higher than expected humidity values. This is expected and calibration is not required.
Note: This device is equipped with Smart Optimization. Smart Optimization executes a one-time learning sequence which optimizes system performance based on the location of the device. The learn sequence will occur within 24 hours of installation and may take up to 90 minutes to complete. During the learn sequence heating and cooling operations are disabled. The device screen will indicate when the learn sequence occurs and allow a user to cancel the operation at any time.

XL850 Control

- **Smart Optimization**
  - To increase the accuracy of the sensed indoor temperature a learning routine has been developed
  - Smart Optimization only occurs once and will take about 90 minutes to complete
  - The routine will automatically occur about 18 hours after initial power-up
  - The process can be cancelled which will delay the routine for another 18 hours or the feature can be disabled
  - To access the Smart Optimization screen, select Menu>Smart Optimization

Optimizing system operation. DO NOT remove power.
82 Mins
A smart optimization algorithm is executing to optimize system performance based on the location of your thermostat. This operation will only occur one-time and has 82 minutes remaining. During this time heating and cooling operation is not available. To delay this operation for 18 hours press and hold the screen for 5 seconds. To permanently disable this feature navigate to Menu > Smart Optimization and select Disable.
TRANE

XL850 Control

- **850 Hang Tag**
  - One of the lessens learned of the 950 program is that most customers don't understand all the features within the control
  - For this reason we developed a User Wizard to assist the consumer in customizing how the control operates
  - A laminated hang tag will be shipped with each control prompting the consumer to navigate to the User Setup Wizard to finalize the setup of the control
  - The hang tag can be affixed to the control for installations where the consumer is not home when the job has been completed

Setting up your XL850 Control is easy!
GETTING STARTED
Access the User Setup Wizard to customize the following:
· Display Settings
· Scheduling Preferences
· Online Connectivity
· Weather Information
1. Press Menu
2. Select Settings
3. Access User Setup Wizard
1
Menu
2
Settings
3
User Setup Wizard
Your XL850 Control comes equipped with remote climate access from Nexia™ Home Intelligence*.
Register today and remotely control your home climate from any internet-enabled smartphone, tablet, or computer.
*Nexia remote climate access is included with the purchase of a Connected Control. Charges may apply when adding more products to your Nexia system.
TRANE

XL850 Control

- **Installation Wizard**
  - Once the control powers up for the 1st time, the Installation Wizard launches automatically

- **Installation Wizard includes:**
  - Date & Time
  - Installer Setup
  - Reminders
  - Dealer Code

- Installation Wizard is located Home>Menu>Service>Technician Access>Proceed>Installation Wizard

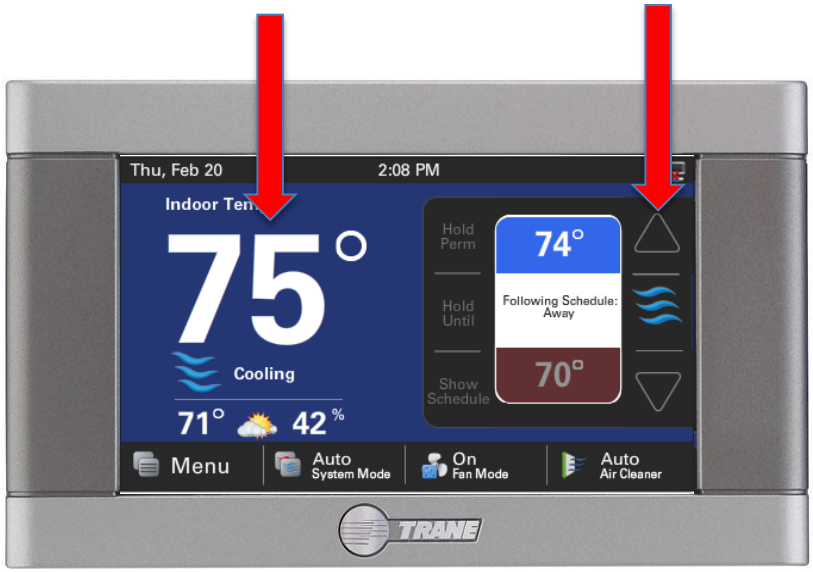
XL850 Control

- **User Setup Wizard Location**
  - Home>Menu>Settings>User Setup Wizard

- **User Setup Wizard includes:**
  - Display
  - Schedules
  - Guided Schedules or 1-Touch Presets
  - Network
  - Nexia
  - Weather

XL850 Control

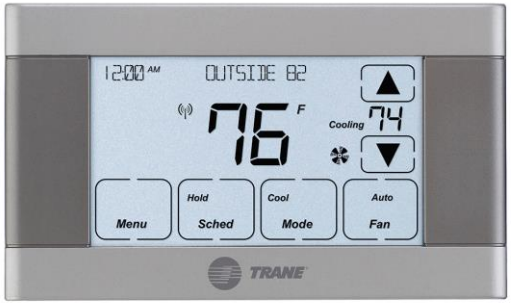
- **New Setpoint Panel**
  - To maximize the limited space on the home screen, the set point panel has been minimized and moved to the far right of the screen
  - When the indoor temperature panel or minimized set point panel is pressed, the panel slides to the left allowing the user to view/edit set points
  - After 60 seconds the setpoint panel will minimize



XL850 Control

- **The top title bar is also used to indicate:**
  - System Alerts
    - Critical alert (red icon)
    - Major alert (yellow icon)
  - Pressing the top title bar while a message is displayed will take the user to another screen for additional information

2014 Connected Controls Platform



XL624

XL824

XL850

XL950

The 2015 Training schedule has been posted at:

www.tranepennohio.com

Sign Up early to get in!!

Service Classes

Service classes are held on a regular basis. We urge each dealer to attend classes. Taught by local Field Service Representatives Dustin Evans (Ohio) and Dave Paterson (Pennsylvania and West Virginia), these classes are designed for Service Technicians and Installers. Dave & Dustin will cover many topics in these seminars pertaining to Trane Products. These classes are a must for every service technician!

2015 FIRST HALF SCHEDULE

February 24th Portsmouth Comfort Inn 8:30am-Noon	Commissioning/Data Sheets
February 27th Pittsburgh, Columbus, Cincinnati	Adtek Software Webinar
March 4th Columbus DSO 8:30am--Noon	Mini Splits
March 10th Columbus DSO 8:30am-Noon	Commissioning/Data Sheets
March 19th Dayton Hampton Inn 8:30am-Noon	Commissioning/Data Sheets
March 24th Cincinnati DSO 8:30am-Noon	Hyperion Review
March 31st Columbus DSO 8:30am-Noon	TruComfort Non Certification
April 8th Altoona Hampton Inn 3-6:30pm	TruComfort Non Certification
April 14th Pittsburgh DSO 3-6:30pm	Mini Splits
April 20th Pittsburgh DSO 3-6:30pm	Commissioning/Data Sheets
April 28th Cabela's Wheeling 3-6:30pm	TruComfort Non Certification
April 30th Trane N. Huntingdon 8:30am-Noon	Mini Splits
May 6th Pittsburgh DSO 8:30am-Noon	Hyperion Review

For detailed course descriptions and to sign up for classes please visit our local website:

www.tranepennohio.com

Dustin Evans

Dave Paterson

TRANE
It's Hard To Stop A Trane.

All 3T Presentations are on:

tranepennohio.com

Questions??

***6 to Unmute your Line**

OR

Type a Question in